

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE
BEFORE THE EXAMINING CORPS

IN RE APPLICATION OF
ROBERT GREEN
FOR A
SYSTEM FOR PERMITTING A
VOTER TO MAKE AN EDUCATED
CHOICE AMONG CANDIDATES

ROBERT GREEN
PAPER NUMBER 1

1

BACKGROUND OF THE INVENTION

2

Field of the Invention:

3

The present invention relates to a voting related system.

4

More particularly, the present invention relates to a system for permitting a voter to make an educated choice among candidates.

7

Description of the Prior Art:

8

Numerous innovations for voting systems have been provided in the prior art that will be described. Even though these innovations may be suitable for the specific individual purposes to which they address, however, they differ from the present invention.

13

FOR EXAMPLE, U.S. Patent Number 5,377,099 to Miyagawa teaches an election terminal apparatus that incorporates a storage unit, a coordinate input unit and a two-dimensional display unit which is interlocked with the coordinate input unit. When voting is to be performed, the election terminal apparatus directly or indirectly displays candidate names or party names on the display unit, thus urging a voter to perform

1 a selecting operation. When the voter selects a candidate by
2 using the coordinate input unit, the election terminal
3 apparatus displays the attribute of the selected candidate and
4 urges the voter to perform a confirming operation to confirm a
5 final decision. When the voter performs a confirming
6 operation, the vote count data registered in the storage unit
7 is updated.

8 **ANOTHER EXAMPLE**, U.S. Patent Number 5,400,248 to Chisholm
9 teaches a voting system that allows voters to express and cast
10 votes that are conditional on the votes of others of a voting
11 group. Votes may be conditional on the votes of specific
12 individuals, on the number or percent of the overall group who
13 vote a certain way, external events or on any combination
14 thereof. The system solves the "common goods, free rider"
15 dilemma in which voters oppose proposals they recognize as
16 worthwhile out of fear that a few supporters will be burdened
17 with all of the costs. The system specifies and enforces terms
18 under which conditional voting will take place, and may manage
19 the voting process across a network. The system recognizes
20 when either multiple solutions or no solutions to a set of
21 votes exist. The system can determine which voters are
22 responsible for these cases, and can invite them to change
23 their votes, if they wish. The system can also determine the
24 largest subset or subsets of a group of conditional votes that

1 has no solution, for which there is a unique solution or
2 multiple solutions. Overall, the system leads to better and
3 faster group decisions that are based on more complete voter
4 knowledge than simply yes, no or abstain.

5 **STILL ANOTHER EXAMPLE**, U.S. Patent Number 5,495,532 to
6 Kilian et al. teaches a number-theoretic based algorithm that
7 provides for secure electronic voting. A voter may cast a
8 votes among n centers in a manner which prevents fraud and
9 authenticates the votes. Preprocessing allows for nearly all
10 of the communication and computation to be performed before any
11 voting takes place. Each center can verify that each vote has
12 been properly counted. The algorithm is based on families of
13 homomorphic encryptions which have a partial compatibility
14 property. The invention can be realized by current-generation
15 PCs with access to an electronic bulletin board.

16 **YET ANOTHER EXAMPLE**, U.S. Patent Number 6,092,051 to
17 Kilian et al. teaches a number-theoretic based algorithm
18 provides for secure receipt-free voting. A vote generating
19 center generates a choice of votes for each voter or vote
20 chooser. The votes are encrypted, shuffled, and conveyed to a
21 vote chooser along with information regarding how the votes
22 were shuffled without being intercepted en route. The
23 information is preferably sent along untappable secure

1 channels. The method can incorporate validation of generation
2 and shuffling of the votes using chameleon commitment and
3 interactive proofs. The invention can be realized by current-
4 generation personal computers with untappable channels and
5 access to an electronic bulletin board.

6 **STILL YET EXAMPLE**, U.S. Patent Number 6,175,833 to West et
7 al. teaches an online voting system that provides a
8 standardized database architecture that integrates editorial
9 and production processes. The voting system has a survey
10 database to store multiple surveys and a server to serve the
11 surveys over a network (e.g., the Internet) to readers. Each
12 survey consists of one or more questions and multiple answer
13 options per question. The voting system includes an authoring
14 tool to permit an editor to construct the surveys. The surveys
15 are stored in a predefined survey index tables. A display
16 handler checks reader requests for pages that contain surveys,
17 to determine whether the reader should receive a voting form or
18 survey results. A vote handler processes votes cast by the
19 readers in response to the surveys. Unique identifiers of
20 voters who respond to the surveys are collected in a votes
21 table. This table is checked when each vote is received to
22 prevent readers from voting multiple times for a single survey.
23 The vote handler tallies the votes cast for the answer options
24 in a totals table. The survey index table also has fields to

1 hold voting results for corresponding survey questions and
2 answer options. The vote handler periodically updates these
3 fields with the totals kept in the totals table. This update
4 is automatic without intervention from the editors. The same
5 index table holds the information to present the survey
6 questions (to first time readers) and to show the results to
7 the survey (to readers who have cast a vote). Over time, the
8 editor may remove one or more questions or the entire survey
9 from the survey index table. The surveys are archived, along
10 with all of the voting data from the three tables, in
11 persistent storage. After archival, the voting data for the
12 removed surveys is automatically deleted from all three tables.

13 It is apparent that numerous innovations for voting
14 systems have been provided in the prior art that are adapted to
15 be used. Furthermore, even though these innovations may be
16 suitable for the specific individual purposes to which they
17 address, however, they would not be suitable for the purposes
18 of the present invention as heretofore described.

1

SUMMARY OF THE INVENTION

2 **ACCORDINGLY, AN OBJECT** of the present invention is to
3 provide a system for permitting a voter to make an educated
4 choice among candidates that avoids the disadvantages of the
5 prior art.

6 **ANOTHER OBJECT** of the present invention is to provide a
7 system for permitting a voter to make an educated choice among
8 candidates that is simple to use.

9 **BRIEFLY STATED, STILL ANOTHER OBJECT** of the present
10 invention is to provide a system for permitting a voter to make
11 an educated choice among candidates that includes a single
12 database that is partitioned into a first section, a second
13 section, a third section, a fourth section, a fifth section,
14 and a sixth section. The first section includes how laws are
15 made. The second section includes bulletins and reports
16 related to making the educated choice. The third section
17 includes resumes of the candidates. The fourth section
18 includes past and present performance of the candidates. The
19 fifth section includes bills introduced by the candidates. The
20 sixth section includes tracks of the bills introduced by the
21 candidates. The system further includes first, second, and

1 third apparatuses for allowing presentation, selection, and
2 viewing of sections by the voter, respectively.

3 The novel features which are considered characteristic of
4 the present invention are set forth in the appended claims.
5 The invention itself, however, both as to its construction and
6 its method of operation, together with additional objects and
7 advantages thereof, will be best understood from the following
8 description of the specific embodiments when read and
9 understood in connection with the accompanying drawing.

1

BRIEF DESCRIPTION OF THE DRAWING

- 2 The figures of the drawing are briefly described as follows:
- 3 **FIGURES 1A-1V** are a system diagram of the present invention.

1

LIST OF REFERENCE NUMERALS

2

UTILIZED IN THE DRAWING

- 3 **10** system of present invention for permitting voter **12** to
4 make educated choice **14** among candidates **16**
5 **12** voter
6 **14** educated choice
7 **16** candidates
8 **18** single database
9 **19** first section of single database **18** including how laws **20**
10 are made
11 **20** laws
12 **22** second section of single database **18** including bulletins
13 **24** and reports **26** related to making educated choice **14**
14 **24** bulletins
15 **26** reports
16 **28** third section of single database **18** including resumes **30**
17 of candidates **16**
18 **30** resumes of candidates **16**
19 **32** fourth section of single database **18** including past and
20 present performance **34** of candidates **16**
21 **34** past and present performance of candidates **16**
22 **36** fifth section of single database **18** including bills
23 introduced **38** by candidates **16**

1 **38** bills introduced by candidates **16**
2 **40** sixth section of single database **18** including tracks of
3 bills introduced **38** by candidates **16** including who is
4 pushing bills introduced **38** and who is holding bills
5 introduced **38** up
6 **42** first apparatus for presenting first section **18**, second
7 section **22**, third section **28**, fourth section **32**, fifth
8 section **36**, and sixth section **40** of single database **18** to
9 voter **12**
10 **44** print of first apparatus **42**
11 **46** radio of first apparatus **42**
12 **48** TV of first apparatus **42**
13 **50** telecommunications of first apparatus **42**
14 **52** CD-rom of first apparatus **42**
15 **54** computer disc of first apparatus **42**
16 **56** facsimile of first apparatus **42**
17 **58** e-mail of first apparatus **42**
18 **60** Internet of first apparatus **42**
19 **62** newspapers of print **44** of first apparatus **42**
20 **64** magazines of print **44** of first apparatus **42**
21 **66** periodicals of print **44** of first apparatus **42**
22 **68** newsletters of print **44** of first apparatus **42**
23 **70** inserts of print **44** of first apparatus **42**
24 **72** news stations of radio **46** of first apparatus **42**

1 **74** public service announcements of radio **46** of first
2 apparatus **42**
3 **76** PBS of TV **48** of first apparatus **42**
4 **78** Public Access Channels of TV **48** of first apparatus **42**
5 **80** national of telecommunications **50** of first apparatus **42**
6 **82** statewide of telecommunications **50** of first apparatus **42**
7 **84** local of telecommunications **50** of first apparatus **42**
8 **86** second apparatus for allowing selection of specific
9 section **88** of first section **18**, second section **22**, third
10 section **28**, fourth section **32**, fifth section **36**, and sixth
11 section **40** of single database **18** by voter **12** so as to form
12 selected database **90**
13 **88** specific section of first section **18**, second section **22**,
14 third section **28**, fourth section **32**, fifth section **36**, and
15 sixth section **40** of single database **18**
16 **90** selected section of single database **90**
17 **92** third apparatus for allowing viewing of selected section
18 **90** of single database **18** by voter **12**

1 **DETAILED DESCRIPTION OF**

2 **THE PREFERRED EMBODIMENT**

3 Referring now to the figures, in which like numerals
4 indicate like parts, and particularly to **FIGURES 1A-1zz**, which
5 are a system diagram of the present invention, the system of
6 the present invention is shown generally at **10** for permitting
7 a voter **12** to make an educated choice **14** among candidates **16**.

8 The system 10 comprises a single database 18 that is
9 partitioned into a first section 19 that includes how laws 20
10 are made, a second section 22 that includes bulletins 24 and
11 reports 26 related to making the educated choice 14, a third
12 section 28 that includes resumes 30 of the candidates 16, a
13 fourth section 32 that includes past and present performance 34
14 of the candidates 16, a fifth section 36 that includes bills
15 introduced 38 by the candidates 16, and a sixth section 40 that
16 includes tracks of the bills introduced 38 by the candidates 16
17 that includes who is pushing the bills introduced 38 and who is
18 holding the bills introduced 38 up.

19 The system further **10** comprises a first apparatus **42** for
20 presenting the first section **19**, the second section **22**, the
21 third section **28**, the fourth section **32**, the fifth section **36**,

1 and the sixth section **40** of the single database **18** to the voter
2 **12**.

3 The first apparatus **42** includes print **44**, radio **46**, TV **48**,
4 telecommunications **50**, CD-Rom **52**, computer disc **54**, facsimile
5 **56**, e-mail **58**, and Internet **60**.

6 The print **44** of the first apparatus **42** includes newspapers
7 **62**, magazines **64**, periodicals **66**, newsletters **68**, and inserts
8 **70**, the radio **46** of the first apparatus **42** includes news
9 stations **72** and public service announcements **74**, the TV **48** of
10 the first apparatus **42** includes PBS **76** and Public Access
11 Channels **78**, and the telecommunications **50** of the first
12 apparatus **42** includes national **80**, statewide **82**, and local **84**.

13 The system further **10** comprises a second apparatus **86** for
14 allowing selection of a specific section **88** of the first
15 section **19**, the second section **22**, the third section **28**, the
16 fourth section **32**, the fifth section **36**, and the sixth section
17 **40** of the single database **18** by the voter **12** so as to form a
18 selected section **90**, and a third apparatus **92** for allowing
19 viewing of the selected section **90** of the single database **18** by
20 the voter **12**.

1 It will be understood that each of the elements described
2 above, or two or more together, may also find a useful
3 application in other types of constructions differing from the
4 types described above.

5 While the invention has been illustrated and described as
6 embodied in a system for permitting a voter to make an educated
7 choice among candidates, however, it is not limited to the
8 details shown, since it will be understood that various
9 omissions, modifications, substitutions and changes in the
10 forms and details of the device illustrated and its operation
11 can be made by those skilled in the art without departing in
12 any way from the spirit of the present invention.

13 Without further analysis, the foregoing will so fully
14 reveal the gist of the present invention that others can, by
15 applying current knowledge, readily adapt it for various
16 applications without omitting features that, from the
17 standpoint of prior art, fairly constitute characteristics of
18 the generic or specific aspects of this invention.